

Dear Parents / Carers,

We will be holding the first of our Activity Days this year on Friday 24th May. On this day, Year 8 will be taking part in:

Maths Challenge Activity and Forensic Science Activity

8 Bampfield 8 Bourne 8 Feckenham	<i>Morning session Afternoon session</i>	<i>Forensic Science Maths Challenge</i>
8 Fisher 8 Challoner 8 More	<i>Morning session Afternoon session</i>	<i>Maths Challenge Forensic Science</i>

The ***Forensic Science*** activity will be run by the Science department, led by Mr Cronin and Mr Constable. During this session, students will have the chance to try out a number of Forensic Science techniques. Working in teams they will collect evidence and attempt to solve a crime. The aim is to understand a real world application of Science by seeing what happens during a crime scene investigation. **Pupils should bring their technology aprons as some of the activities can be quite messy.**

The ***Maths Challenge*** will be run by the Maths department and led by Mr Reidy and Mr Smith. Students will study the history and use of code breaking from Roman times to the Second World War. They will learn how to recognise shifting algorithms such as the Caesar cipher, patterns in sequences of coded phrases and also how to recognise and use key linguistic patterns. When they have completed the challenge, they should be able to perform frequency analyses of coded messages and use a substitution cipher to break a coded message!

Students will need to make sure that they arrive to school as normal at 8.35am in full school uniform, equipped with a pen, pencil and calculator. The canteen will be open as usual on this day, but will serve a limited selection of food as some year groups are off site.

I am sure that the boys will enjoy their day and derive a great deal from the opportunities made available.

Yours faithfully,

J Cronin

Mr J Cronin
Science Lead

M Reidy

Mr J Reidy
Maths Lead

G Crosby

Mr G Crosby
Activity Day Lead

C Janata

Mr C Janata
Pastoral Leader